FCC NOTICE

"This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient the receiving antenna
- Relocate the computer with respect to the receiver
- Move the computer away from the receiver
- Plug the computer into a different outlet so that computer and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the US Government Printing Office, Washington, D.C., 20402, Stock No. 004–000–00345–4."

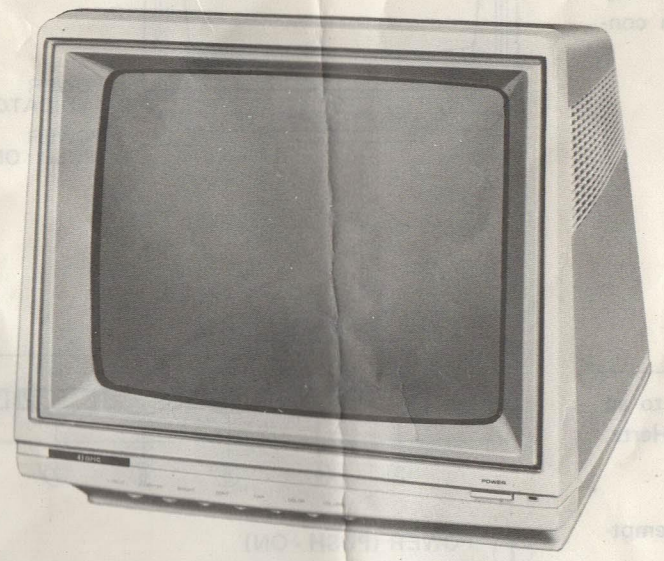
BMC INTERNATIONAL

Printed in Japan

3P00412a (A4ZA)

BMC INTERNATIONAL

Manufactured by BMC INTERNATIONAL
5-27 TANIMACHI, HIGASHI-KU, OSAKA 540, JAPAN
PHONE: (06) 768-7791
TELEX: 64930 NISEMIC J
527-8636 BMCINT J
CABLE: "BMCINT" OSAKA



MODEL BM-AU9191U

13V COLOR CRT DISPLAY
OWNER'S MANUAL

Specifications

Input Signals	a. Data Signals Composite Video Signal, Negative SYNC. 1.0 ± 0.5 Vp-p b. Sound Signal 1.0 V R.M.S.	
CRT Size	33.5 cm diag. (13 inch diag.)	
Semiconductors	IC	2 pcs.
	Transistors	20 pcs.
	Diodes	28 pcs.
Speaker	8 cm round type	1 pc.
Display Format	1,000 Characters (5 x 7 dot. 40 chara. x 25 lines)	
Scanning Frequency	Horizontal 15.75 kHz, Vertical 60 Hz	
Power Input	AC 120 V 60 Hz	
Power Consumption	58 W	
Dimensions	37.4 (W) x 34.0 (H) x 42.0 (D) cm	
Weight	11.1 kg	

*Specifications are subject to change without notice.

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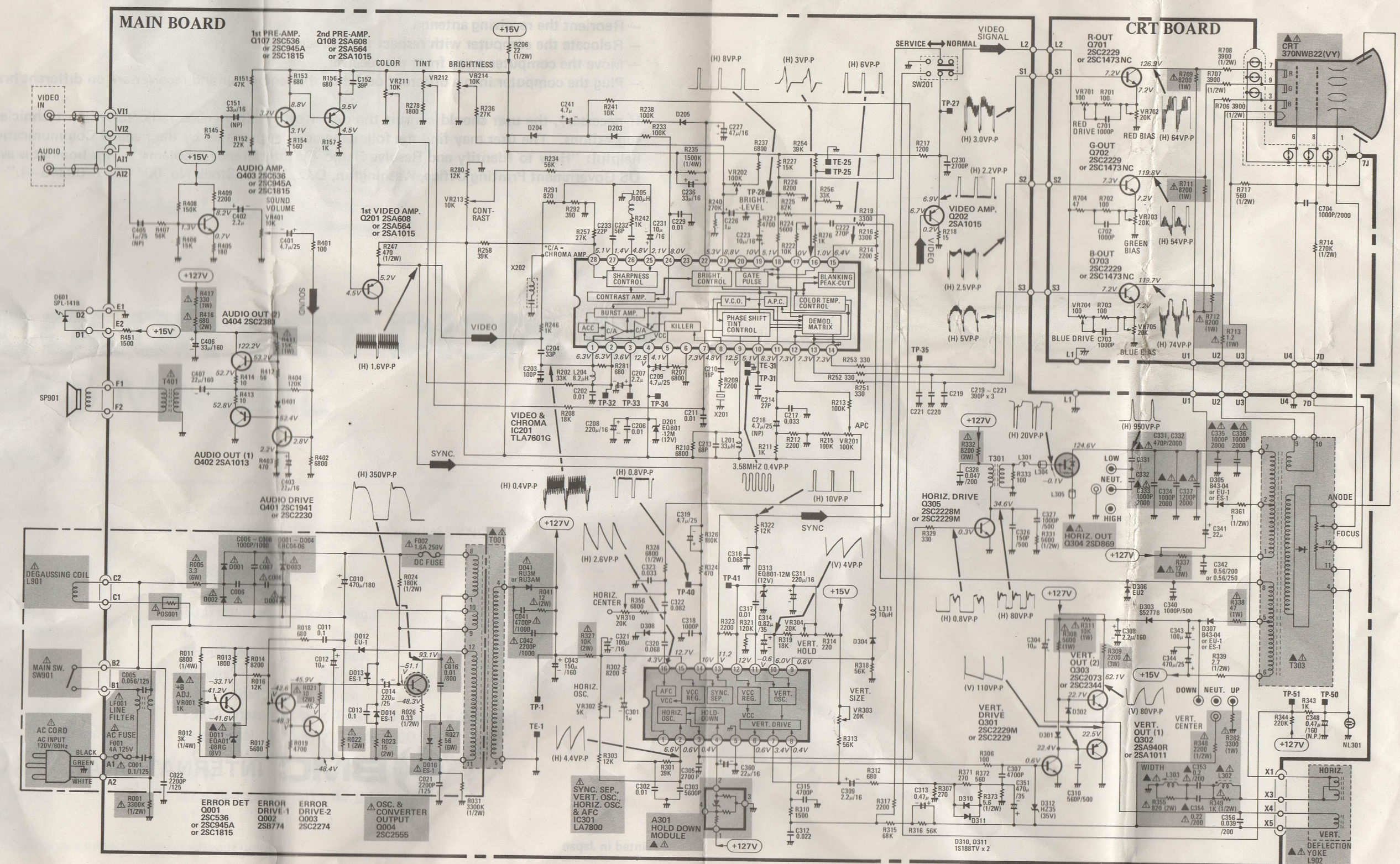
MODEL BM-AU9191U SCHEMATIC DIAGRAM

NOTES ON SCHEMATIC DIAGRAMS

1. Unless otherwise noted in schematic voltage reading taken with "VTVM" from point indicated to chassis ground. Voltage reading taken using a video color bar signal, all controls at normal. Line voltage 120 volts.
2. Waveforms were taken with video color bar signal and controls adjusted for normal picture.
3. Resistor/Capacitor Representation;
   - Resistor Unit: No indication . . . Ω K . . . KΩ M . . . MΩ
   - Power rating: No indication . . . 1/6W
   - Capacitor Unit: No indication or μ . . . μF P . . . pF
   - Rated voltage: No indication . . . 50V other . . . ( )V
4. All diodes are 1S1555/1S2473/1S2076 unless otherwise indication.

MARKED ⚠ AND SHADED COMPONENTS: SAFETY RELATED PARTS
MARKED ▲ COMPONENTS: X-RAY RELATED PARTS



Introduction

Your new Color CRT display is a precision engineered product designed for use with system which outputs a composite video signal.
This monitor can be also used for monitoring the video reproduction.
Solid state electronics used in this Color CRT display provides improved reliability and superior performance even in continuous duty applications.

Installation

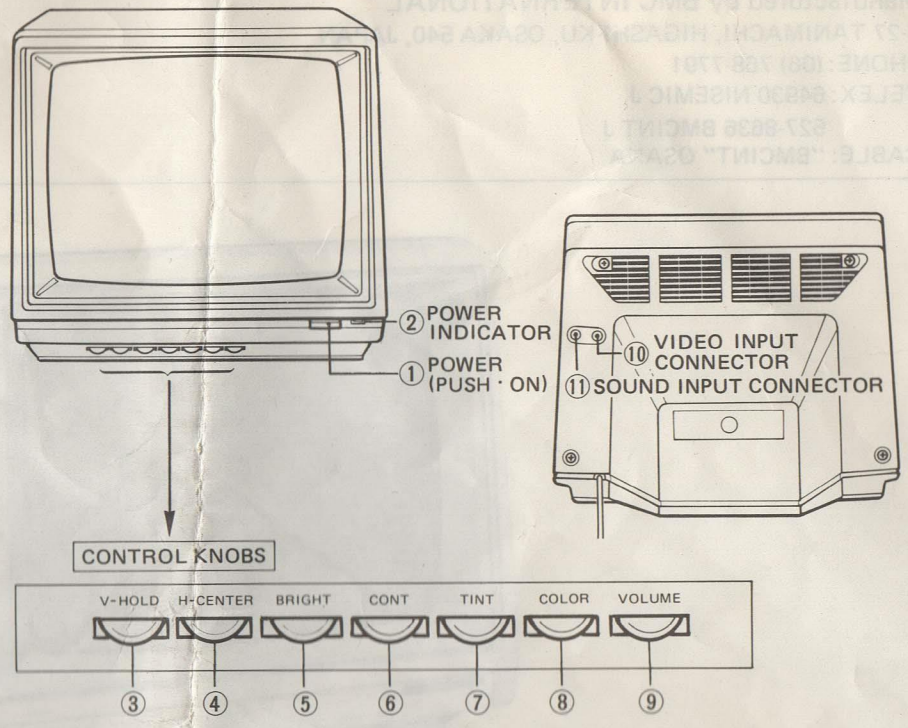
CONNECT . .Color CRT Display to an outlet supplying 120 volts, 60 Hertz, alternating current (AC) only.

FOLLOW . . .Instruction before attempting to operate your display.

CAUTION

- For installation, avoid excessively hot or humid places as well as dusty locations. Damage to the cabinet or electronic parts failures may result.
- Avoid any small object or water to fall in the cabinet through ventilation slits to prevent from component on circuit failures, or even dangerous fire hazard.
- The cabinet is provided with many ventilation slits on its rear and bottom. Do not attempt to cover with cloth, pads, or any other materials which may interfere proper ventilation.
- High voltage bearing components are contained in the cabinet. Do not attempt to remove the rear cover for safety against possible shock hazard. Refer servicing to qualified service personnel.

Controls



① **POWER (PUSH · ON)**
Power can be clicked on by pushing the switch knob.

② **POWER INDICATOR**
Red indicator lamp will light up when power switch is pushed on.

③ **V-HOLD**
If vertical movement of the picture occurs, turn V-Hold control fully to the left, then gradually turning back slightly beyound the point where the picture moves slowly upward and locks into place.

④ **H-CENTER**
Turn the thumbwheel H-CENTER control knob to center the display within the screen.

⑤ **BRIGHT**
Turn clockwise to increase the brightness of the picture.

⑥ **CONT**
Turn clockwise to increase the contrast of the picture.

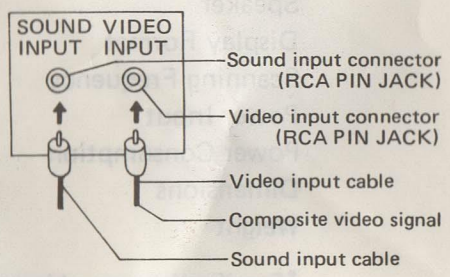
⑦ **TINT**
Adjust the thumbwheel TINT control knob.

⑧ **COLOR**
Turn the thumbwheel COLOR control knob to change the color intensity.

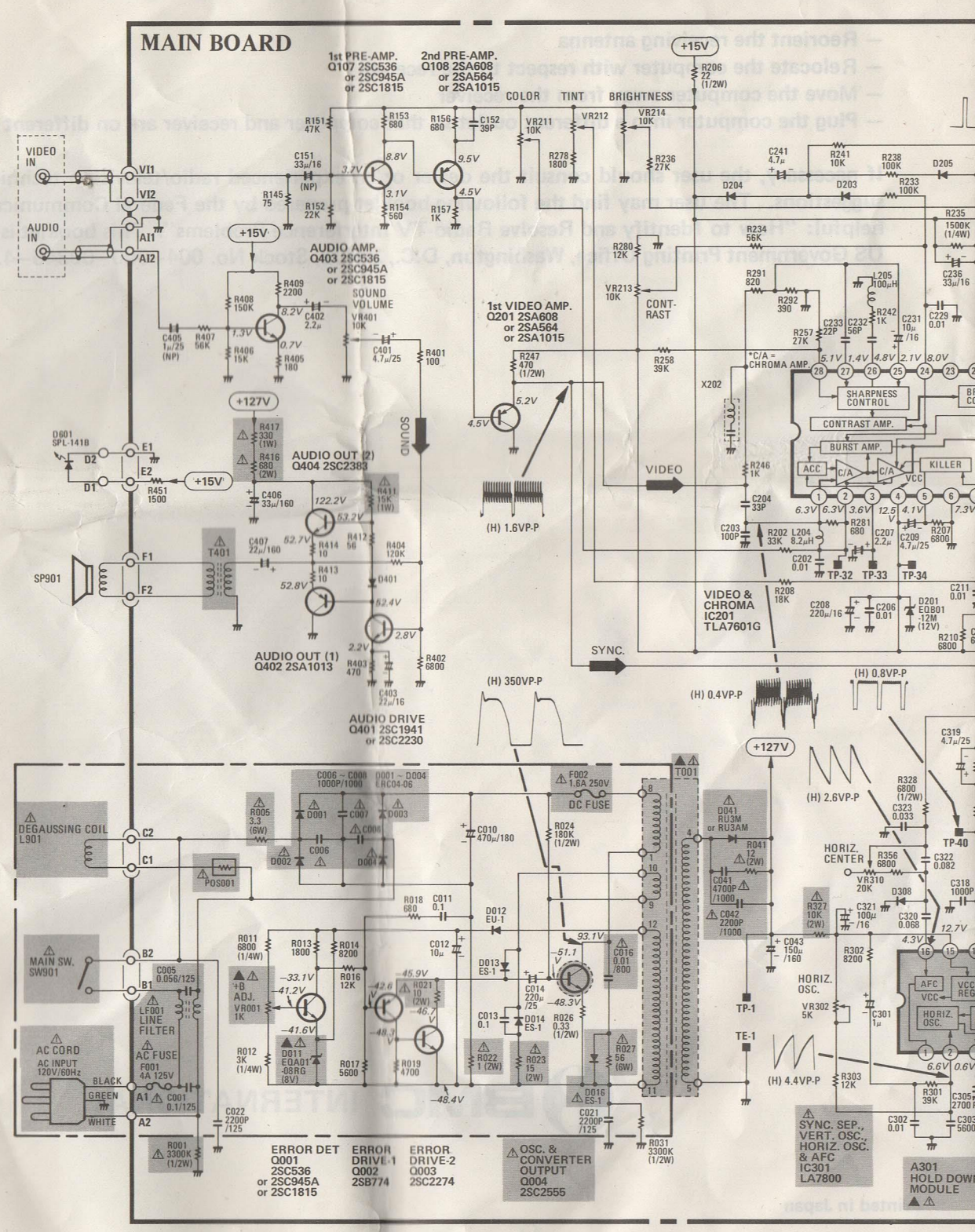
⑨ **VOLUME**
Turn clockwise to increase the volume.

⑩ **VIDEO INPUT CONNECTOR**
The video input cable from the computer is connected to the video input connector.

⑪ **SOUND INPUT CONNECTOR**
The sound input cable from the computer is connected to the sound input connector.



MODEL BM-AU9191U SCHEMATIC DIAGRAM

NOTES ON SCHEMATIC DIAGRAMS

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